



# Technická inšpekcia, a.s.

Trnavská cesta 56, 821 01 Bratislava

Slovenská republika

## CERTIFICATE

no. 1499/5/2020

Technická inšpekcia, a. s.,

based on the results from specific assessment for materials

confirms, that

Ador Welding Ltd.,

Ador House, 6, K, Dubash Marg, Fort, Mumbai, 400001-16 Maharashtra, India  
(Registered and Corporate office)

Bilaspur Road, Industrial Estate, Bhanpuri, Raipur, 493221, Chhattisgarh, India  
(workshop)

Survey No. 59/11/1, Khanvel Road, Masat, Silvassa-396230, UT of Dadra & Nagar  
Haveli, India  
(workshop)

has implemented and applies quality assurance system for materials

according to point 4.3 of Annex I to the Directive no. 2014/68/EU on pressure equipment

### Scope of materials:

Welding consumables – covered electrodes, wire electrodes, wires, rods, fluxes, strips and tubular  
cored electrodes  
(refer to the Annex to the Certificate)

Audit report no. 1499/5/2020

Manufacturer shall inform Technická inšpekcia, a. s. of any intended change of system of quality  
assurance.

The Certificate validity is conditioned with performing of surveillance by Technická inšpekcia, a.s. for  
minimum 1 periodic audit per 12 months. Audit Report proves performing of periodic audit.

Certificate is valid until November 15, 2023

Date of initial certification: November 16, 2020

Bratislava, November 16, 2020

Ing. Dušan Perniš  
General Director



479167

CST4-190

## Annex to the Certificate no. 1499/5/2020

### 1. Covered electrodes for manual metal arc welding of non-alloy and fine grain steels according to the EN ISO 2560: 2009

No.	Brand name	EN ISO classification
1	Maxbond	Covered electrode ISO 2560-A – E 38 Z R 1 1
2	Superbond	Covered electrode ISO 2560-A – E 38 O R 1 1
3	Superbond S	Covered electrode ISO 2560-A – E 38 O R 1 2
4	Superbond SS	Covered electrode ISO 2560-A – E 38 O RR 1 3
5	Kingbond	Covered electrode ISO 2560-A – E 38 O R 1 1
6	Metalbond	Covered electrode ISO 2560-A – E 38 O R 1 2
7	Magnabond	Covered electrode ISO 2560-A – E 38 O R 1 1
8	Supabase 60	Covered electrode ISO 2560-A - E 38 3 B32 H5
9	Opto Bond	Covered electrode ISO 2560-A – E 35 O R 1 1
10	Supabase	Covered electrode ISO 2560-A - E 42 3 B32 H5
11	Supabase X Plus	Covered electrode ISO 2560-A - E 42 3 B 32 H5
12	X Bond	Covered electrode ISO 2560-A - E 42 2 B 32
13	Tenalloy Z Plus	Covered electrode ISO 2560-A - E 42 4 B 32 H5
14	Tenalloy S Plus	Covered electrode ISO 2560-A - E 42 5 B 32 H5
15	Tenalloy HH Spl	Covered electrode ISO 2560-A - E 42 5 B 32 H5
16	Tenalloy R	Covered electrode ISO 2560-A - E 42 5 B 32 H5
17	Tenalloy 38R Spl	Covered electrode ISO 2560-A - E 42 5 B 32 H5
18	Tenalloy 16	Covered electrode ISO 2560-A - E 42 3 B 12 H5
19	Tenalloy 16W	Covered electrode ISO 2560-A - E 42 3 B 12 H5
20	Tenalloy 16G	Covered electrode ISO 2560-A - E 42 3 1Ni B 12 H5
21	Tenalloy 16 Spl	Covered electrode ISO 2560-A - E 42 5 B 12 H5
22	Supabase X Plus (S)	Covered electrode ISO 2560-A - E 42 3 B 32 H5
23	Tenalloy Z Plus (S)	Covered electrode ISO 2560-A - E 42 5 B 32 H5
24	Topstar	Covered electrode ISO 2560-A - E 38 O A 13
25	Topstar 110	Covered electrode ISO 2560-A - E 42 A RR 31
26	Topstar 140	Covered electrode ISO 2560-A - E 42 O RR 53
27	Topstar 140 Spl	Covered electrode ISO 2560-A - E 42 2 RR 53
28	Supabase 180	Covered electrode ISO 2560-A - E 42 2 B 73 H5
29	Celwel 60	Covered electrode ISO 2560-A - E 38 3 C 21
30	Celwel 60S	Covered electrode ISO 2560-A - E 38 3 C 11
31	Celwel 70G	Covered electrode EN ISO 2560-A - E 42 2 Mo C 21
32	Celwel 70P	Covered electrode EN ISO 2560-A - E 42 2 C 21
33	Celwel 80G	Covered electrode EN ISO 2560-A - E 46 3 1Ni C 21
34	Celwel 80P	Covered electrode EN ISO 2560-A - E 46 3 1Ni C 21
35	Tenalloy 70A	Covered electrode EN ISO 2560-A - E 46 6 2Ni B 32 H5
36	Tenalloy 70B	Covered electrode EN ISO 2560-A - E 46 6 3Ni B 32 H5
37	Tenalloy 70BL	Covered electrode EN ISO 2560-A - E 38 9 3Ni B 32 H5

No.	Brand name	EN ISO classification
38	Tenalloy 70C	Covered electrode EN ISO 2560-A - E 46 4 1Ni B 32 H5
39	Tenalloy 70CL	Covered electrode EN ISO 2560-A - E 38 5 1Ni B 32 H5
40	Tenalloy 55	Covered electrode EN ISO 2560-A - E 46 5 1Ni B 12 H5
41	Tenalloy 60	Covered electrode EN ISO 2560-A - E 46 4 Z B 12 H5
42	Tenalloy 16E Spl	Covered electrode EN ISO 2560-A - E 46 5 Mn1Ni B 12 H5
43	Tenalloy 60D3	Covered electrode EN ISO 2560-A - E 46 4 1NiMo B 32 H5
44	Tenalloy 80P2	Covered electrode EN ISO 2560-A - E 46 5 1Ni B 45
45	Tenalloy 70D1	Covered electrode EN ISO 2560-A - E 50 3 Z B 32 H5
46	Tenalloy 90D3	Covered electrode EN ISO 2560-A - E 50 3 Z B 32 H5

2. Covered electrodes for manual metal arc welding of creep-resisting steels according to the EN ISO 3580: 2017

No.	Brand name	EN ISO classification
1	Molyten	Covered electrode EN ISO 3580-A - E Mo B 32 H5
2	Cromoten 1	Covered electrode EN ISO 3580-A - E CrMo0.5 B 32 H5
3	Cromoten 15	Covered electrode EN ISO 3580-A - E CrMo1 B 32 H5
4	Cromoten 16	Covered electrode EN ISO 3580-A - E CrMo1 B 32 H5
5	Cromoten	Covered electrode EN ISO 3580-A - E CrMo1 B 32 H5
6	Cromoten STC	Covered electrode EN ISO 3580-A - E CrMo1 B 32 H5
7	Cromoten S Plus	Covered electrode EN ISO 3580-A - E CrMo1L B 32 H5
8	Cromoten C-15	Covered electrode EN ISO 3580-A - E CrMo2 B 32 H5
9	Cromoten C-16	Covered electrode EN ISO 3580-A - E CrMo2 B 32 H5
10	Cromoten C	Covered electrode EN ISO 3580-A - E CrMo2 B 32 H5
11	Cromoten 2 STC	Covered electrode EN ISO 3580-A - E CrMo2 B 32 H5
12	Cromoten C S Plus	Covered electrode EN ISO 3580-A - E CrMo2L B 12 H5
13	Cromoten D	Covered electrode EN ISO 3580-A - E CrMo5 B 32 H5
14	Cromoten D S Plus	Covered electrode EN ISO 3580-A - E CrMo5L B 32 H5
15	Cromoten 90D	Covered electrode EN ISO 3580-A - E Cr5Mo0.5 B 32 H5
16	Cromoten 9	Covered electrode EN ISO 3580-A - E CrMo9 B 32 H5
17	Cromoten 9L	Covered electrode EN ISO 3580-A - E CrMo9L B 32 H5
18	Cromoten 9M	Covered electrode EN ISO 3580-A - E CrMo91 B 32 H5
19	Cromoten 9M-15	Covered electrode EN ISO 3580-A - E CrMo91 B 42 H5
20	Cromoten 9M Spl	Covered electrode EN ISO 3580-A - E CrMo91 B 32 H5
21	Cromoten V	Covered electrode EN ISO 3580-A - E Z R 12
22	Cromoten Ti	Covered electrode EN ISO 3580-A - E CrMo1 R 12
23	Cromoten C Ti	Covered electrode EN ISO 3580-A - E CrMo2 R 12
24	Tenalloy 125	Covered electrode EN ISO 3580-A - E 1CrMoV B 22 H5

**3. Covered electrodes for manual metal arc welding of high-strength steels according to the EN ISO 18275: 2018**

No.	Brand name	EN ISO classification
1	Tenalloy 65	Covered electrode EN ISO 18275-A - E 55 5 Z B 32 H5
2	Tenalloy 65 Spl	Covered electrode EN ISO 18275-A - E 55 4 Z B T 32 H5
3	Tenalloy 70	Covered electrode EN ISO 18275-A - E 55 2 Z B 32 H5
4	Tenalloy 75D2	Covered electrode EN ISO 18275-A - E 55 4 Z B T 32 H5
5	Tenalloy 75	Covered electrode EN ISO 18275-A - E 55 4 Z B 32 H5
6	Tenalloy 75G	Covered electrode EN ISO 18275-A - E 55 4 Z B 32 H5
7	Tenalloy 80	Covered electrode EN ISO 18275-A - E 69 4 Z B 32 H5
8	Tenalloy 80HH Spl	Covered electrode EN ISO 18275-A - E 69 4 Z B 32 H5
9	Tenalloy 110	Covered electrode EN ISO 18275-A - E 69 4 Z B 32 H5
10	Tenalloy 120	Covered electrode EN ISO 18275-A - E 69 4 Z B 32 H5
11	Tenalloy 120G	Covered electrode EN ISO 18275-A - E 69 4 Z B 32 H5
12	Nimoten	Covered electrode EN ISO 18275-A - E 55 4 Z B 32 H5
13	Nimoten Plus	Covered electrode EN ISO 18275-A E 62 Z Z B T 32 H5

**4. Covered electrodes for manual metal arc welding of stainless and heat-resisting steels according to the EN ISO 3581: 2018**

No.	Brand name	EN ISO classification
1	Austomang 209	Covered electrode ISO 3581-B - ES209-16
2	Austomang 219	Covered electrode ISO 3581-B - ES219-16
3	Austomang 240	Covered electrode ISO 3581-B - ES240-16
4	Austomang 307	Covered electrode ISO 3581-B - ES307-16
5	Austomang 307-15	Covered electrode ISO 3581-B - ES307-15
6	Austomang 16/13	Covered electrode ISO 3581-A - E Z16 13 Nb B 42
7	Superinox 16 8 2	Covered electrode ISO 3581-A - E (16 8 2) R 12
8	Superinox 1A	Covered electrode ISO 3581-A - E 19 9 R 12
9	Superinox 1AH	Covered electrode ISO 3581-A - E 19 9H R 12
10	Betanox 308H Plus	Covered electrode ISO 3581-A - E 19 9 H R13
11	Superinox 1A-15	Covered electrode ISO 3581-A - E 19 9 B 22
12	Betanox 308 Plus	Covered electrode ISO 3581-A - E 19 9 R 13
13	Superinox 1C	Covered electrode ISO 3581-A - E 19 9L R 12
14	Superinox 1C-15	Covered electrode ISO 3581-A - E 19 9 L B 22
15	Superinox 1C-15 LT	Covered electrode ISO 3581-A - E 19 9L B 22
16	Betanox 308L Plus	Covered electrode ISO 3581-A - E 19 9L R 13
17	Superinox 2A	Covered electrode ISO 3581-A - E 19 12 2 R 12
18	Superinox 2A-15	Covered electrode ISO 3581-A - E 19 12 2 B 22
19	Superinox 2AH	Covered electrode ISO 3581-A - E (19 12 2)H R 12
20	Betanox 316 Plus	Covered electrode ISO 3581-A - E 19 12 2 R 13
21	Superinox 2C	Covered electrode ISO 3581-A - E (19 12 3L) R 12

No.	Brand name	EN ISO classification
22	Superinox 2C Mo	Covered electrode ISO 3581-A - E 19 12 3L R 12
23	Betanox ZF	Covered electrode ISO 3581-A - E (19 12 3L) R 12
24	Betanox K	Covered electrode ISO 3581-A - E (19 12 3L) B 22
25	Betanox 316L Plus	Covered electrode ISO 3581-A - E (19 12 3L) R 13
26	Superinox 2D	Covered electrode ISO 3581-B - ES 317L-16
27	Superinox 2B	Covered electrode ISO 3581-A - E (19 12 3 Nb) R 12
28	Betanox 318 Plus	Covered electrode ISO 3581-A - E (19 12 3 Nb) R 13
29	Superinox 1B	Covered electrode ISO 3581-A - E 19 9 Nb R 12
30	Superinox 1B-15	Covered electrode ISO 3581-A - E 19 9 Nb B 22
31	Betanox 347 Plus	Covered electrode ISO 3581-A - E 19 9 Nb R 13
32	Betanox D	Covered electrode ISO 3581-A - E (22 12) R 12
33	Betanox 309 Plus	Covered electrode ISO 3581-A - E (22 12) R 13
34	Betanox DL	Covered electrode ISO 3581-A - E 23 12L R 12
35	Betanox DCb	Covered electrode ISO 3581-A - E 23 12 Nb R 12
36	Betanox 309Cb Plus	Covered electrode ISO 3581-A - E 23 12 Nb R 13
37	Betanox DMo	Covered electrode ISO 3581-B - ES 309Mo-16
38	Betanox 309Mo Plus	Covered electrode ISO 3581-B - ES 309Mo-17
39	Betanox DMoL	Covered electrode ISO 3581-A - E (23 12 2L) R 12
40	Superinox 312	Covered electrode ISO 3581-A - E 29 9 R 12
41	Betanox 312 Plus	Covered electrode ISO 3581-A - E 29 9 R 13
42	Betanox C	Covered electrode ISO 3581-A - E 25 20 R 12
43	Betanox 310 Plus	Covered electrode ISO 3581-A - E 25 20 R 13
44	Betanox 20/30	Covered electrode ISO 3581-B - ES 320-15
45	Betanox 20/25/5/Cu	Covered electrode ISO 3581-A - E 20 25 5Cu N L R 12
46	Betachrome ND	Covered electrode ISO 3581-A - E 18 8 Mn B 22
47	Betachrome ND Spl	Covered electrode ISO 3581-A - E 18 8 Mn B 12
48	Betachrome 13Cr	Covered electrode ISO 3581-A - E 13 B 22
49	Betachrome 13/4	Covered electrode ISO 3581-A - E 13 4 B 22
50	Betachrome 13/4 LB	Covered electrode ISO 3581-A - E 13 4 B 22
51	Betachrome 13/4 LB-R	Covered electrode ISO 3581-A - E 13 4 R 12
52	Betachrome 17Cr	Covered electrode ISO 3581-A - E 17 B 22
53	Betachrome 17/4	Covered electrode ISO 3581-A - E 17 4 R 12
54	Superinox 409Nb	Covered electrode ISO 3581-B - ES 409Nb - 26
55	Betanox 4462	Covered electrode ISO 3581-A - E 22 9 3 N L R 22
56	Betanox 4462 NS	Covered electrode ISO 3581-A - E 22 9 3 N L R 22
57	Betanox 2553	Covered electrode ISO 3581-B - ES 2553-16
58	Betanox 2594	Covered electrode ISO 3581-A - E 25 9 4 N L B 22
59	Betanox 2594-16	Covered electrode ISO 3581-A - E 25 9 4 N L R 12
60	Betanox 2595-16	Covered electrode ISO 3581-A - E 25 9 4 N L R 12
61	Betanox 2595-15	Covered electrode ISO 3581-A - E 25 9 4 N L B 22
62	Superinox 630	Covered electrode ISO 3581-A - ES 630-16

5. Covered electrodes, wires, rods and tubular cored electrodes for fusion welding of cast iron according to the EN ISO 1071: 2015

No.	Brand name	EN ISO classification
1	Casten	Covered electrode ISO 1071 - E C St 1
2	Castmonel	Covered electrode ISO 1071 - E C NiCu-B 1
3	Casnickel	Covered electrode ISO 1071 - E C Ni-Cl 1
4	Ferricast	Covered electrode ISO 1071 - E C NiFe-1 1

6. Covered electrodes for manual metal arc welding of nickel and nickel alloys according to the EN ISO 14172: 2015

No.	Brand name	EN ISO classification
1	Supermonel	Covered electrode ISO 14172 - E Ni 4060 (NiCu30Mn3Ti)
2	Nicalloy 1	Covered electrode ISO 14172 - E Ni 2061 (NiTi3)
3	Nicalloy Fe-2	Covered electrode ISO 14172 - E Ni 6133 (NiCr16Fe12NbMo)
4	Nicalloy Fe-3	Covered electrode ISO 14172 - E Ni 6182 (NiCr15Fe6Mn)
5	Nicalloy Mo-3	Covered electrode ISO 14172 - E Ni 6625 (NiCr22Mo9Nb)
6	Nicalloy Mo-4	Covered electrode ISO 14172 - E Ni 6276 (NiCr15Mo15Fe6W4)
7	Nicalloy Mo-5	Covered electrode ISO 14172 - E Ni 6275 (NiCr15Mo16Fe5W3)
8	Nicalloy Mo-6	Covered electrode ISO 14172 - E Ni 6620 (NiCr14Mo7Fe)
9	Nicalloy Mo-10	Covered electrode ISO 14172 - E Ni 6022 (NiCr21Mo13W3)
10	Nicalloy Mo-12	Covered electrode ISO 14172 - E Ni 6627 (NiCr21MoFeNb)
11	Nicalloy Mo-13	Covered electrode ISO 14172 - E Ni 6059 (NiCr23Mo16)
12	Nicalloy Mo-14	Covered electrode ISO 14172 - E Ni 6686 (NiCr21Mo16W4)
13	Nicalloy Fe-7	Covered electrode ISO 14172 - E Ni 6152 (NiCr30Fe9Nb)
14	Nicalloy NiMo-7	Covered electrode ISO 14172 - E Ni 1066 (NiMo28)
15	Nicalloy 617	Covered electrode ISO 14172 - E Ni 6117 (NiCr22Co12Mo)
16	Nicalloy Cr-4	Covered electrode ISO 14172 - E Ni 6172 (NiCr50Nb)
17	Nicalloy 3545Nb	Covered electrode ISO 14172 - E Ni Z (NiCr35Fe15Nb0.8)

7. Covered electrodes for manual metal arc welding of copper and copper alloys according to the EN ISO 17777: 2016

No.	Brand name	EN ISO classification
1	Bronze	Covered electrode ISO 17777 - E Cu 5180 (CuSn5P)
2	Bronze Al-A2	Covered electrode ISO 17777 - E Cu 6100 (CuAl8Fe3)
3	Bronze NiAl	Covered electrode ISO 17777 - E Cu 6328 (CuAl9Ni5Fe4Mn2)
4	Super CuNi	Covered electrode ISO 17777 - E Cu 7158 (CuNi30Mn2FeTi)

**8. Wire electrodes for gas shielded metal arc welding of non-alloy and fine grain steels according to the EN ISO 14341: 2020**

No.	Brand name	EN ISO classification
1	AUTOMIG 70S-6	Solid wire ISO 14341-A - G 42 3 C1 3Si1
		Solid wire ISO 14341-A - G 46 4 M21 3Si1
		Solid wire ISO 14341-A - G 46 4 M24 3Si1
2	AUTOMIG 70S-G	Solid wire ISO 14341-A - G 46 4 C1 4Si1
		Solid wire ISO 14341-A - G 50 5 M21 4Si1
3	Automig 70S-6 N	Solid wire ISO 14341-A - G 46 4 M21 3Si1
		Solid wire ISO 14341-A - G 46 4 M24 3Si1
4	Automig G4Si1 N	Solid wire ISO 14341-A - G 42 3 C1 G4Si1
		Solid wire ISO 14341-A - G 46 4 M21 G4Si1
5	Automig 70S -3	Solid wire ISO 14341-A - G 42 3 C1 2Si
		Solid wire ISO 14341-A - G 42 4 M21 2Si
6	Automig 80S-Ni1	Solid wire ISO 14341-B - G 55A 5U M13 N2
7	Automig 80S-Ni2	Solid wire ISO 14341-B - G 55P 6U M13 N5
8	Automig 80S-Ni3	Solid wire ISO 14341-B - G 55P 8U M13 N71

**9. Rods and wires for tungsten inert gas welding of non-alloy and fine-grain steels according to the EN ISO 636: 2017**

No.	Brand name	EN ISO classification
1	Tigfil 70S-2	Solid wire ISO 636-A - W 42 3 2Ti
2	Tigfil 70S-2 Spl	Solid wire ISO 636-A - W 42 5 2Ti
3	Tigfil 70S-3	Solid wire ISO 636-A - W 42 5 2Si
4	Tigfil 70S-6	Solid wire ISO 636-A - W 46 5 3Si1
5	Tigfil 70S-G	Solid wire ISO 636-A - W 50 5 4Si1
6	Tigfil 80S-Ni1	Solid wire ISO 636-B - W 55A 5U N2
7	Tigfil 80S-Ni2	Solid wire ISO 636-B - W 55P 6U N5
8	Tigfil 80S-Ni3	Solid wire ISO 636-B - W 55P 8U N71

**10. Wire electrodes, wires and rods for gas shielded arc welding of creep-resisting steels according to the EN ISO 21952: 2012**

No.	Brand name	EN ISO classification
1	Automig 70S-A1	Solid wire ISO 21952-B - G 52 M13 1M3
2	Automig 70S-B2L	Solid wire ISO 21952-B - G 52 M13 1CML
3	Automig 80S-B2	Solid wire ISO 21952-B - G 55 M13 1CM
4	Automig 80S-B3L	Solid wire ISO 21952-B - G 55 M13 2C1ML
5	Automig 90S-B3	Solid wire ISO 21952-B - G 62 M13 2C1M
6	Automig 80S-B6	Solid wire ISO 21952-B - G 55 M13 5CM
7	Automig 80S-B8	Solid wire ISO 21952-B - G 55 M13 9C1M

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No.	Brand name	EN ISO classification
8	Automig 90S-B9	Solid wire ISO 21952-B - G 62 M13 9C1MV
9	Tigfil70S-A1	Solid wire ISO 21952-B - W 52 I1 1M3
10	Tigfil 70S-B2L	Solid wire ISO 21952-B - W 52 I1 1CML
11	Tigfil 80S-B2	Solid wire ISO 21952-B - W 55 I1 1CM
12	Tigfil 80S-B2 Spl	Solid wire ISO 21952-B - W 55 I1 1CM
13	Tigfil 80S-B3L	Solid wire ISO 21952-B - W 55 I1 2C1ML
14	Tigfil 90S-B3	Solid wire ISO 21952-B - W 62 I1 2C1M
15	Tigfil 90S-B3 Spl	Solid wire ISO 21952-B - W 62 I1 2C1M
16	Tigfil 80S-B6	Solid wire ISO 21952-B - W 55 I1 5CM
17	Tigfil 80S-B8	Solid wire ISO 21952-B - W 55 I1 9C1M
18	Tigfil 90S-B9	Solid wire ISO 21952-B - W 62 I1 9C1MV

**11. Wire electrodes, wires and rods for gas shielded arc welding of high strength steels according to the EN ISO 16834: 2012**

No.	Brand name	EN ISO classification
1	Automig 80S-D2	Solid wire ISO 16834-B - G 4M31
2	Automig-80S-G	Solid wire ISO 16834-B - G 4M31
3	Automig 90S-D2	Solid wire ISO 16834-B - G 4M31
4	Automig 90S-G	Solid wire ISO 16834-B - G 4M31
5	Automig 100S-G	Solid wire ISO 16834-A - G 62 4 C1 Mn3Ni1CrMo
6	Automig 110S-G	Solid wire ISO 16834-A - G 69 4 M21 Mn3Ni1CrMo
7	Automig 120S-G	Solid wire ISO 16834-A - G 89 4 M21 Mn4Ni2CrMo
8	Tigfil 80S-D2	Solid wire ISO 16834-B - W 4M31
9	Tigfil-80S-G	Solid wire ISO 16834-B - W 4M31
10	Tigfil 90S-D2	Solid wire ISO 16834-B - W 4M31
11	Tigfil 90S-G	Solid wire ISO 16834-B - W 4M31
12	Tigfil 100S-G	Solid wire ISO 16834-A - W 62 4 I1 Mn3Ni1CrMo
13	Tigfil 110S-G	Solid wire ISO 16834-A - W 69 4 I1 Mn3Ni1CrMo
14	Tigfil 120S-G	Solid wire ISO 16834-A - W 89 6 I1 Mn4Ni2CrMo

**12. Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels according to the EN ISO 14343: 2017**

No.	Brand name	EN ISO classification
1	Miginox 307	Solid wire ISO 14343-A - G 18 8 Mn
2	Miginox 308L	Solid wire ISO 14343-A - G 19 9 L
3	Miginox 308H	Solid wire ISO 14343-A - G (19 9 H)
4	Miginox 308LSi	Solid wire ISO 14343-A - G 19 9 L Si
5	Miginox 309L	Solid wire ISO 14343-A - G 23 12 L
6	Miginox 309LSi	Solid wire ISO 14343-A - G 23 12 L Si
7	Miginox 309Mo	Solid wire ISO 14343-B - G 309Mo

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No.	Brand name	EN ISO classification
8	Miginox 309LMo	Solid wire ISO 14343-A - G 23 12 2 L
9	Miginox 310	Solid wire ISO 14343-A - G 25 20
10	Miginox 312	Solid wire ISO 14343-A - G 29 9
11	Miginox 316L	Solid wire ISO 14343-A - G (19 12 3 L)
12	Miginox 316H	Solid wire ISO 14343-A - G 19 12 3 H
13	Miginox 316LMo	Solid wire ISO 14343-A - G 19 12 3 L
14	Miginox 316LSi	Solid wire ISO 14343-A - G (19 12 3 L Si)
15	Miginox 317L	Solid wire ISO 14343-A - G (18 15 3 L)
16	Miginox 318	Solid wire ISO 14343-A - G (19 12 3 Nb)
17	Miginox 320	Solid wire ISO 14343-B - G 320
18	Miginox 347	Solid wire ISO 14343-A - G 19 9 Nb
19	Miginox 347Si	Solid wire ISO 14343-A - G 19 9 Nb Si
20	Miginox 410	Solid wire ISO 14343-A - G 13
21	Miginox 410NiMo	Solid wire ISO 14343-A - G 13 4
22	Miginox 430	Solid wire ISO 14343-A - G 17
23	Miginox 430LNb	Solid wire ISO 14343-A - G 18 L Nb
24	Miginox 2209	Solid wire ISO 14343-A - G 22 9 3 N L
25	Miginox 2594	Solid wire ISO 14343-A - G 25 9 4 N L
26	Miginox 630	Solid wire ISO 14343-B - G 630
27	Tiginox 308L	Solid wire ISO 14343-A - W 19 9 L
28	Tiginox 308H	Solid wire ISO 14343-A - W (19 9 H)
29	Tiginox 308LSi	Solid wire ISO 14343-A - W 19 9 L Si
30	Tiginox 309L	Solid wire ISO 14343-A - W 23 12 L
31	Tiginox 309Mo	Solid wire ISO 14343-B - W 309Mo
32	Tiginox 309LMo	Solid wire ISO 14343-A - W 23 12 2 L
33	Tiginox 309LSi	Solid wire ISO 14343-A - W 23 12 L Si
34	Tiginox 310	Solid wire ISO 14343-A - W 25 20
35	Tiginox 312	Solid wire ISO 14343-A - W 29 9
36	Tiginox 316L	Solid wire ISO 14343-A - W (19 12 3 L)
37	Tiginox 316H	Solid wire ISO 14343-A - W 19 12 3 H
38	Tiginox 316LMo	Solid wire ISO 14343-A - W 19 12 3 L
39	Tiginox 316LSi	Solid wire ISO 14343-A - W (19 12 3 L Si)
40	Tiginox 317L	Solid wire ISO 14343-A - W (18 15 3 L)
41	Tiginox 318	Solid wire ISO 14343-A - W (19 12 3 Nb)
42	Tiginox 320	Solid wire ISO 14343-B - W 320
43	Tiginox 347	Solid wire ISO 14343-A - W 19 9 Nb
44	Tiginox 347Si	Solid wire ISO 14343-A - W 19 9 Nb Si
45	Tiginox 385	Solid wire ISO 14343-A - W 20 25 5 Cu L
46	Tiginox 410	Solid wire ISO 14343-A - W 13
47	Tiginox 410NiMo	Solid wire ISO 14343-A - W 13 4
48	Tiginox 430	Solid wire ISO 14343-A - W 17
49	Tiginox 2209	Solid wire ISO 14343-A - W 22 9 3 N L
50	Tiginox 2594	Solid wire ISO 14343-A - W 25 9 4 N L

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No.	Brand name	EN ISO classification
51	Tiginox 630	Solid wire ISO 14343-B - W 630
52	SUBINOX 308L	Solid wire ISO 14343-A - S 19 9 L
53	SUBINOX 308H	Solid wire ISO 14343-A - S 19 9 H
54	SUBINOX 316L	Solid wire ISO 14343-A - (S 19 12 3 L )
55	SUBINOX 309L	Solid wire ISO 14343-A - S 23 12 L
56	SUBINOX 309LMo	Solid wire ISO 14343-A - S 2312 2 L
57	SUBINOX 347	Solid wire ISO 14343-A - S 19 9 Nb
58	SUBINOX 410	Solid wire ISO 14343-A - S (13)
59	SUBINOX 410NiMo	Solid wire ISO 14343-A - S 13 4
60	SUBINOX 430	Solid wire ISO 14343-A - S (17)
61	SUBINOX 2209	Solid wire ISO 14343-A - S 22 9 3 NL
62	SUBINOX 2594	Solid wire ISO 14343-A - S 25 94 NL

13. Solid wire electrodes, solid wires or solid rods for fusion welding of nickel and nickel alloys according to the EN ISO 18274: 2010

No.	Brand name	EN ISO classification
1	Automig Ni-1	Solid wire ISO 18274 - S Ni 2061 (NiTi3)
2	Automig NiCr3	Solid wire ISO 18274 - S Ni 6082 (NiCr20Mn3Nb)
3	Automig NiCrMo-3	Solid wire ISO 18274 - S Ni 6625 (NiCr22Mo9Nb)
4	Automig NiCrMo-4	Solid wire ISO 18274 - S Ni 6276 (NiMo16Cr15Fe6W4)
5	Automig NiCu-7	Solid wire ISO 18274 - S Ni 4060 (NiCu30Mn3Ti)
6	Automig 617	Solid wire ISO 18274 - S Ni 6617 (NiCr22Co12Mo9)
7	Automig NiFeCr-1	Solid wire ISO 18274 - S Ni 6065 (NiFe30Cr21Mo3)
8	Automig NiFeCr-2	Solid wire ISO 18274 - S Ni 7718 (NiFe19Cr19Nb5Mo3)
9	Automig NiCrMo-10	Solid wire ISO 18274 - S Ni 6022 (NiCr21Mo13Fe4W3)
10	Automig NiCrMo-13	Solid wire ISO 18274 - S Ni 6059 (NiCr23Mo16)
11	Tigfil Ni-1	Solid wire ISO 18274 - S Ni 2061 (NiTi3)
12	Tigfil NiCr3	Solid wire ISO 18274 - S Ni 6082 (NiCr20Mn3Nb)
13	Tigfil NiCrMo-3	Solid wire ISO 18274 - S Ni 6625 (NiCr22Mo9Nb)
14	Tigfil NiCrMo-4	Solid wire ISO 18274 - S Ni 6276 (NiMo16Cr15Fe6W4)
15	Tigfil NiCu-7	Solid wire ISO 18274 - S Ni 4060 (NiCu30Mn3Ti)
16	Tigfil 617	Solid wire ISO 18274 - S Ni 6617 (NiCr22Co12Mo9)
17	Tigfil NiFeCr-1	Solid wire ISO 18274 - S Ni 6065 (NiFe30Cr21Mo3)
18	Tigfil NiFeCr-2	Solid wire ISO 18274 - S Ni 7718 (NiFe19Cr19Nb5Mo3)
19	Tigfil NiCrMo-10	Solid wire ISO 18274 - S Ni 6022 (NiCr21Mo13Fe4W3)
20	Tigfil NiCrMo-13	Solid wire ISO 18274 - S Ni 6059 (NiCr23Mo16)

**14. Wire electrodes, wires and rods for welding of aluminium and aluminium alloys according to the EN ISO 18273: 2015**

No.	Brand name	EN ISO classification
1	Automig 1100	Solid wire ISO 18273 - S Al 1100 (Al99.0Cu)
2	Automig 4043	Solid wire ISO 18273 - S Al 4043 (AlSi5)
3	Automig 5183	Solid wire ISO 18273 - S Al 5183 (AlMg4.5Mn0.7(A))
4	Automig 5356	Solid wire ISO 18273 - S Al 5356 (AlMg5Cr(A))
5	Automig 5556	Solid wire ISO 18273 - S Al 5556 (AlMg5Mn1Ti(A))
6	Tigfil 1100	Solid wire ISO 18273 - S Al 1100 (Al99.0Cu)
7	Tigfil 4043	Solid wire ISO 18273 - S Al 4043 (AlSi5)
8	Tigfil 5183	Solid wire ISO 18273 - S Al 5183 (AlMg4.5Mn0.7(A))
9	Tigfil 5356	Solid wire ISO 18273 - S Al 5356 (AlMg5Cr(A))
10	Tigfil 5556	Solid wire ISO 18273 - S Al 5556 (AlMg5Mn1Ti(A))

**15. Solid wires and rods for fusion welding of copper and copper alloys according to the EN ISO 24373: 2018**

No.	Brand name	EN ISO classification
1	Automig Cu	Solid wire ISO 24373 - S Cu 1897 (CuAg1)
2	Tigfil Cu	Solid wire ISO 24373 - S Cu 1897 (CuAg1)
3	Automig CuSn-A	Solid wire ISO 24373 - S Cu 5180 (CuSn5P)
4	Tigfil CuSn-A	Solid wire ISO 24373 - S Cu 5180 (CuSn5P)
5	Autobraise CuSi	Solid wire ISO 24373 - S Cu 6560 (CuSi3Mn1)
6	Tigfil CuSi	Solid wire ISO 24373 - S Cu 6560 (CuSi3Mn1)
7	Automig CuNi	Solid wire ISO 24373 - S Cu 7158 (CuNi30Mn1FeTi)
8	Tigfil CuNi	Solid wire ISO 24373 - S Cu 7158 (CuNi30Mn1FeTi)
9	Automig CuAl-A1	Solid wire ISO 24373 - S Cu 6100 (CuAl7)
10	Tigfil CuAl-A1	Solid wire ISO 24373 - S Cu 6100 (CuAl7)
11	Automig CuAl-A2	Solid wire ISO 24373 - S Cu 6180 (CuAl10Fe)
12	Tigfil CuAl-A2	Solid wire ISO 24373 - S Cu 6180 (CuAl10Fe)
13	Automig CuNiAl	Solid wire ISO 24373 - S Cu 6328 (CuAl9Ni5Fe3Mn2)
14	Tigfil CuNiAl	Solid wire ISO 24373 - S Cu 6328 (CuAl9Ni5Fe3Mn2)

**16. Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of non-alloy and fine grain steels according to the EN ISO 17632: 2015**

No.	Brand name	EN ISO classification
1	Automig FC 71T-1	Tubular cored electrode ISO 17632 A - T 42 2 P C1 2 H5
		Tubular cored electrode ISO 17632 A - T 42 2 P M21 2 H5
2	Automig FC 121	Tubular cored electrode ISO 17632 A - T 42 2 P C1 2 H10
		Tubular cored electrode ISO 17632 A - T 42 3 B C1 2 H5
3	Automig FC 71T-5	Tubular cored electrode ISO 17632 A - T 42 3 B M21 2 H5
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No.	Brand name	EN ISO classification
4	Automig FC 71T-1C-J	Tubular cored electrode ISO 17632 A - T 42 4 P C1 2 H10
5	Automig FC 71T-1M	Tubular cored electrode ISO 17632 A - T 42 2 P M21 2 H10
6	Automig FC 71T-5-J	Tubular cored electrode ISO 17632 A - T 42 4 B C1 2 H5 Tubular cored electrode ISO 17632 A - T 42 4 B M21 2 H5
7	Automig MC 70C-6C	Tubular cored electrode ISO 17632 A - T 42 3 M C1 2 H5
8	Automig MC 70C-6M	Tubular cored electrode ISO 17632 A - T 46 4 M M21 2 H5
9	Automig FC 81T1-Ni1	Tubular cored electrode ISO 17632-A - T 46 3 1Ni P C1 2 H10
10	Automig FC 81T1-Ni2	Tubular cored electrode ISO 17632-A - T 46 4 2Ni P C1 2 H10
11	Automig FC 81T1-K2	Tubular cored electrode ISO 17632-A - T 46 3 1.5Ni P C1 2 H10
12	Automig FC 80T5-K2	Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B C1 2 H5 Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B M21 2 H5
13	Automig FC 90T5-K2	Tubular cored electrode ISO 17632-A - T 50 5 1.5Ni B C1 3 H5 Tubular cored electrode ISO 17632-A - T 50 5 1.5Ni B M21 3 H5
14	Automig FC 81T1-G	Tubular cored electrode ISO 17632-A - T 46 3 1Ni P C1 2 H10
15	Automig FC 81T1-K2C-J	Tubular cored electrode ISO 17632-A - T 46 4 1.5Ni P C1 2 H10
16	Automig FC 81T5-K2	Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B C1 2 H5 Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B M21 2 H5
17	Automig FC 80T5-K2C-J	Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B C1 3 H5 Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B M21 3 H5
18	Automig FC 80T5-G	Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B C1 3 H5 Tubular cored electrode ISO 17632-A - T 46 5 1.5Ni B M21 3 H5
19	Automig FC 90T5-G	Tubular cored electrode ISO 17632-A - T 50 5 1.5Ni B C1 3 H5 Tubular cored electrode ISO 17632-A - T 50 5 1.5Ni B M21 3 H5
20	Automig FC 180R	Tubular cored electrode ISO 17632-B - T553T1-1C1A-NCC1-H10 Tubular cored electrode ISO 17632-B - T553T1-1M21A-NCC1-H10

17. Tubular cored electrodes for gas shielded metal arc welding of creep-resisting steels according to the EN ISO 17634: 2009

No.	Brand name	Designation
1	Automig FC 81T1-B2	Tubular cored electrode ISO 17634-A - T CrMo1 P C1 2 H10
2	Automig FC 91T1-B3	Tubular cored electrode ISO 17634-A - T CrMo2 P C1 2 H10
3	Automig FC 91T1-B9	Tubular cored electrode ISO 17634-B - T69T1-1C1-9C1MV-H10

18. Tubular cored electrodes for gas-shielded and non-gas-shielded metal arc welding of high strength steels according to the EN ISO 18276: 2017

No.	Brand name	EN ISO classification
1	Automig FC 91T1-G	Tubular cored electrode ISO 18276-B - T622T1-1C1A-3M2-H10
2	Automig FC 18M Spl	Tubular cored electrode ISO 18276-B - T624T1-1C1A-3M2-H10 Tubular cored electrode ISO 18276-B - T624T1-1M21A-3M2-H10

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No.	Brand name	EN ISO classification
3	Automig FC 101T1-K3	Tubular cored electrode ISO 18276-B - T693T1-1C1A-N3M2-H10
4	Automig FC 111T1-K3	Tubular cored electrode ISO 18276-B - T762T1-1C1A-N3M2-H10
		Tubular cored electrode ISO 18276-B - T782T1-1C1A-N3M2-H10
5	Automig FC 120T5-K4	Tubular cored electrode ISO 18276-B - T835T5-0C1A-N4C1M2-H5
		Tubular cored electrode ISO 18276-B - T835T5-0M21A-N4C1M2-H5
6	Automig FC 110T5-K4	Tubular cored electrode ISO 18276-A - T 69 5 Mn2NiCrMo B C1 3-H5
7	Automig MC 90C-G	Tubular cored electrode EN ISO 18276-A - T 55 5 ZMn2NiMo M M21 2-H5

19. Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels according to the  
EN ISO 17633: 2018

No.	Brand name	EN ISO classification
1	Miginox FC 308L	Tubular cored electrode ISO 17633-A - T 19 9 L P C1 2
		Tubular cored electrode ISO 17633-A - T 19 9 L P M21 2
2	Miginox FC 309L	Tubular cored electrode ISO 17633-A - T 23 12 L P C1 2
		Tubular cored electrode ISO 17633-A - T 23 12 L P M21 2
3	Miginox FC 309LMo	Tubular cored electrode ISO 17633-A - T 23 12 2 L P C1 2
		Tubular cored electrode ISO 17633-A - T 23 12 2 L P M21 2
4	Miginox FC 316L	Tubular cored electrode ISO 17633-B - TS 316L P C1 1
		Tubular cored electrode ISO 17633-B - TS 316L P M21 1
5	Miginox FC 347	Tubular cored electrode ISO 17633-A - T 19 9 Nb P C1 2
		Tubular cored electrode ISO 17633-A - T 19 9 Nb P M21 2
6	Miginox FC 410NiMo	Tubular cored electrode ISO 17633-A - T 13 4 P C1 2
		Tubular cored electrode ISO 17633-A - T 13 4 P M21 2
7	Miginox FC 2209	Tubular cored electrode ISO 17633-A - T 22 9 3 N L P C1 2
		Tubular cored electrode ISO 17633-A - T 22 9 3 N L P M21 2
8	Miginox FC 2594	Tubular cored electrode ISO 17633-A - T 25 9 4 N L P C1 2
		Tubular cored electrode ISO 17633-A - T 25 9 4 N L P M21 2
9	Miginox MC 409	Tubular cored electrode ISO 17633-A - T 13 Ti M M13 2
		Tubular cored electrode ISO 17633-A - T 13 Ti M M21 2
10	Miginox MC 410NiMo	Tubular cored electrode ISO 17633-A - T 13 4 M M13 2
		Tubular cored electrode ISO 17633-A - T 13 4 M M21 2

**20. Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non-alloy and fine grain steels according to the EN ISO 14171: 2016**

No.	Brand name	EN ISO classification
1	AUTOMELT EL8 (AUTOMELT Gr.A)	Solid wire ISO 14171 - A - S1
2	AUTOMELT EL8K	Solid wire ISO 14171 - A - S1 Si
3	AUTOMELT EL12	Solid wire ISO 14171 - A - S1
4	AUTOMELT EM12K	Solid wire ISO 14171 - A - S2Si
5	AUTOMELT EH10K	Solid wire ISO 14171 - A - S3
6	AUTOMELT EH12K	Solid wire ISO 14171 - A - S3Si
7	AUTOMELT EH14	Solid wire ISO 14171 - A - S4
8	AUTOMELT EA2	Solid wire ISO 14171 - A - S2Mo
9	AUTOMELT EA3	Solid wire ISO 14171 - A - S4Mo
10	AUTOMELT EA4	Solid wire ISO 14171 - A - S3Mo
11	AUTOMELT ENi1	Solid wire ISO 14171 - A - S2Ni1
12	AUTOMELT ENi2	Solid wire ISO 14171 - A - S2Ni2
13	AUTOMELT ENi3	Solid wire ISO 14171 - A - S2Ni3
14	AUTOMELT EF1	Solid wire ISO 14171 - A - S2Ni1Mo
15	AUTOMELT EF3	Solid wire ISO 14171 - A - S3Ni1Mo
16	AUTOMELT A55+ AUTOMELT EL8	Electrode / Flux combination ISO 14171 - A - S 42 0 AR S1
17	AUTOMELT A55 + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 0 AR S2Si
18	AUTOMELT A57 + AUTOMELT EL8	Electrode / Flux combination ISO 14171 - A - S 42 A AR S1
19	AUTOMELT A57 + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 A AR S2Si
20	AUTOMELT A81 + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 A AR S2Si
21	AUTOMELT A81 + AUTOMELTEA2	Electrode / Flux combination ISO 14171 - A - S 50 A AR S2Mo
22	AUTOMELT A82 + AUTOMELT EL8	Electrode / Flux combination ISO 14171 - A - S 46 A AR S1
23	AUTOMELT A82 + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 46 A AR S2Si
24	AUTOMELT A82 + AUTOMELT EA2	Electrode / Flux combination ISO 14171 - A - S 50 A AR S2Mo
25	AUTOMELT A61 + AUTOMELT EL8	Electrode / Flux combination ISO 14171 - A - S 42 0 MS S1
26	AUTOMELT A61 + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 2 MS S2Si
27	AUTOMELT A61 + AUTOMELT EA2	Electrode / Flux combination ISO 14171 - A - S 46 A MS S2Mo

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No.	Brand name	EN ISO classification
28	AUTOMELT A61S + AUTOMELT EL8	Electrode / Flux combination ISO 14171 - A - S 42 A CS S1
29	AUTOMELT A61S+ AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 2 CS S2Si
30	AUTOMELT A61S+ AUTOMELT EA2	Electrode / Flux combination ISO 14171 - A - S 46 A CS S2Mo
31	AUTOMELT B41 + AUTOMELT EH10K	Electrode / Flux combination ISO 14171 - A - S 42 6 FB S3
32	AUTOMELT B41 + AUTOMELT EH12K	Electrode / Flux combination ISO 14171 - A - S 42 6 FB S3Si
33	AUTOMELT B41 + AUTOMELT EH14	Electrode / Flux combination ISO 14171 - A - S 42 5 FB S4
34	AUTOMELT B41 + AUTOMELT EA3	Electrode / Flux combination ISO 14171 - A - S 50 4 FB S4Mo
35	AUTOMELT B41 + AUTOMELT EA4	Electrode / Flux combination ISO 14171 - A - S 46 4 FB S3Mo
36	AUTOMELT B31 + AUTOMELT EH14	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S4
37	AUTOMELT B71 + AUTOMELT EL8	Electrode / Flux combination ISO 14171 - A - S 42 3 FB S1
38	AUTOMELT B71 + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S2Si
39	AUTOMELT B71 + AUTOMELT EH10K	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S3
40	AUTOMELT B71 + AUTOMELT EH12K	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S3 Si
41	AUTOMELT B71 + AUTOMELT EH14	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S4
42	AUTOMELT B71 + AUTOMELT EA2	Electrode / Flux combination ISO 14171 - A - S 46 3 FB S2Mo
43	AUTOMELT B71 + AUTOMELT EA3	Electrode / Flux combination ISO 14171 - A - S 50 3 FB S4Mo
44	AUTOMELT B71 + AUTOMELT EA4	Electrode / Flux combination ISO 14171 - A - S 46 3 FB S3Mo
45	AUTOMELT B71 + AUTOMELT ENi2	Electrode / Flux combination ISO 14171 - A - S 46 5 FB S2Ni2
46	AUTOMELT B71 + AUTOMELT ENi3	Electrode / Flux combination ISO 14171 - A - S 46 6 FB S2Ni3
47	AUTOMELT B22 PLUS + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S2Si
48	AUTOMELT B22 PLUS + AUTOMELT EH10K	Electrode / Flux combination ISO 14171 - A - S 42 4 FB S3
49	AUTOMELT B20 PLUS + AUTOMELT EM12K	Electrode / Flux combination ISO 14171 - A - S 42 6 FB S2Si

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No.	Brand name	EN ISO classification
50	AUTOMELT B20 PLUS + AUTOMELT EH10K	Electrode / Flux combination ISO 14171 - A - S 42 6 FB S3
51	AUTOMELT B20 PLUS + AUTOMELT EH12K	Electrode / Flux combination ISO 14171 - A - S 42 7 FB S3Si
52	AUTOMELT B20 PLUS + AUTOMELT EH14	Electrode / Flux combination ISO 14171 - A - S 42 5 FB S4
53	AUTOMELT B20 PLUS + AUTOMELT EA2	Electrode / Flux combination ISO 14171 - A - S 46 4 FB S2Mo
54	AUTOMELT B20 PLUS + AUTOMELT EA3	Electrode / Flux combination ISO 14171 - A - S 50 4 FB S4Mo
55	AUTOMELT B43+ AUTOMELT ENi2	Electrode / Flux combination ISO 14171 - A - S 42 5 FB S2Ni2
56	AUTOMELT B43+ AUTOMELT ENi3	Electrode / Flux combination ISO 14171 - A - S 50 6 FB S2Ni3

21. Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels according to the EN ISO 24598: 2019

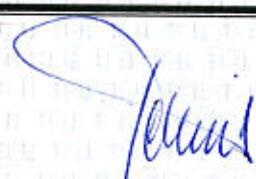
No.	Brand name	Designation
1	AUTOMELT EB2	Solid wire ISO 24598-A - S S CrMO1
2	AUTOMELT EB2R	Solid wire ISO 24598-A - S S CrMO1R
3	AUTOMELT EB3	Solid wire ISO 24598-A - S S CrMO2
4	AUTOMELT EB3R	Solid wire ISO 24598-A - S S CrMO2R
5	AUTOMELT EB6	Solid wire ISO 24598-A - S S CrMO5
6	AUTOMELT EB91	Solid wire ISO 24598-A - S S CrMo91
7	AUTOMELT A81 + AUTOMELT EB2	Electrode / Flux combination ISO 24598-A - S S CrMo1 AR
8	AUTOMELT B71 + AUTOMELT EB2	Electrode / Flux combination ISO 24598-A - S S CrMo1 FB
9	AUTOMELT B71 + AUTOMELT EB3	Electrode / Flux combination ISO 24598-A - S S CrMo1 FB
10	AUTOMELT B20 PLUS + AUTOMELT EB2R	Electrode / Flux combination ISO 24598-A - S S CrMo1R FB
11	AUTOMELT B20 PLUS + AUTOMELT EB3R	Electrode / Flux combination ISO 24598-A - S S CrMo2R FB

22. Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels according to the EN ISO 26304: 2018

No.	Brand name	Designation
1	AUTOMELT EF5	Solid wire ISO 26304-A - S3Ni2.5CrMo
2	AUTOMELT S3NiCrMo2.5	Solid wire ISO 26304-A - S3Ni2.5CrMo
3	AUTOMELT B20 PLUS + AUTOMELT EF3	Electrode / Flux combination ISO 26304-A - S 55 5 FB S3Ni1Mo
4	AUTOMELT B20 PLUS + AUTOMELT EF5	Electrode / Flux combination ISO 26304-A - S 69 6 FB S3Ni2.5CrMo

23. Fluxes for submerged arc welding and electroslag welding according to the EN ISO 14174: 2019

No.	Brand name	Designation
1	Automelt A55	Flux ISO 14174 - SA AR 1 87 DC
2	Automelt A57	Flux ISO 14174 - SA AR 1 87 DC
3	Automelt A81	Flux ISO 14174 - SA AR 1 77 AC
4	Automelt A82	Flux ISO 14174 - SA AR 1 98 AC
5	Automelt A61	Flux ISO 14174 - SA MS 1 88 AC
6	Automelt A61S	Flux ISO 14174 - SA CS 1 87 AC
7	Automelt B31	Flux ISO 14174 - SA FB 1 77 DC
8	Automelt B71	Flux ISO 14174 - SA FB 1 66 AC
9	Automelt B22 Plus	Flux ISO 14174 - SA FB 1 77 AC
10	Automelt B20 Plus	Flux ISO 14174 - SA FB 1 77 AC
11	Automelt B41	Flux ISO 14174 - SA FB 1 76 DC
12	Automelt B43	Flux ISO 14174 - SA FB 1 64 DC
13	Automelt S33	Flux ISO 14174 - SA FB 2 DC
14	Automelt S76	Flux ISO 14174 - SA FB 2 DC
15	Automelt S79	Flux ISO 14174 - SA FB 2 AC
16	Automelt ES1	Flux ISO 14174 - SA FB 2B DC



Ing. Dušan Perniš  
General Director



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